

ACC NR: AP7005698

(A)

SOURCE CODE: UR/0413/67/000/002/0189/0189

INVENTOR: Tikhonenko, A. V.

ORG: None

TITLE: A device for preventing explosion of vessels containing flammable liquids.  
Class 81, No. 84930

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 189

TOPIC TAGS: flammability, fire protection

ABSTRACT: This Author's Certificate introduces a device for preventing explosion of vessels containing flammable liquids by inserting a double corrugated tube in the neck of the vessel to create a flame extinguishing labyrinth. To provide for the proper pouring capacity and make it possible to empty the vessel completely, the ribs of the inner tube are located in the gaps between those of the outer tube. The ribbing in the tubes is produced by folds in the material from which the tube is made through flattening of these folds.

SUB CODE: 13/ SUBM DATE: 22Sep49  
07/

Card 1/1

USSR / Cultivated Plants. Potato. Vegetables. Melons. M-4

Abs Jour: Ref Zhur-Biol., 1958, No 16, 72979.

Author : Tikhonenko, G.

Inst : Not given.

Title : Raising Cabbage by Means of Seed Planting.

Orig Pub: S.kh.Sibir, 1957, No 4, 51-54.

Abstract: A non-seedling method of raising cabbage was used at the "Put' Il'icha" Kolkhoz, Omskaya Oblast. In 1956, cabbage harvest on an area of 49.5 ha comprised 182 c/ha. With this non-seedling method, cabbage is less susceptible to disease and has a higher percentage of dry matter and sugar; in the early development phases good "hardening" occurs, as well as resistance to drought, sukhoveys, [dry winds] and May frosts. Detailed agricultural engineering is cited. The best predecessor is fallow

Card 1/2

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USSR / Cultivated Plants. Potato. Vegetables. Melons. M-4

Abs Jour: Ref Zhur-Bicl., 1958, No 16, 72979.

Abstract: plowed without a blade grader. Planting is done with vernalized seeds. It is indicated that the basic reason for failure of the non-seedling method of raising cabbage is insufficient pest control.  
-- V. K. Sal'nikov.

Card 2/2

KOROVIN, S.Ye., kand.biolog.nauk; TIMPKO, V.A., kand.biolog.nauk;  
TIKHONENKO, I.I.; KONDRAT'YEVA, T.V.; SMYCHNIKOVA, T.V.;  
TSITSIN, N.V., akademik, otv.red.; FORTUNATOV, I.K., red.  
izd-va; GUSEVA, A.P., tekhn.red.

[Botanical gardens of the world; brief manual] Botanicheskie  
sady mira; kratkii spravochnik. Moskva, Izd-vo Akad.nauk  
SSSR, 1959. 102 p. (MIRA 12:10)

1. Moscow. Glavnyy botanicheskiy sad. 2. Direktor Glavnogo  
botanicheskogo sada AN SSSR (for TSitsin).  
(Botanical gardens)

TIKHONENKO, T.I.; BORODINA, T.A.

Composition and content of nucleic acids in the brain of white mice infected by Japanese B and tick-borne encephalitis viruses. Acta virol. Engl. Ed., Praha 2 no.3:152-157 July-Sept 58.

1. Ivanovsky Institute of Virology, U. S. S. R. Academy of Medical Sciences, Moscow.

(BRAIN, metabolism

nucleic acid composition & content in exper. virus encephalitis in mice)

(ENCEPHALITIS, JAPANESE B, experimental

eff. on nucleic acid composition & content in brain of infected mice)

(ENCEPHALITIS, EPIDEMIC, experimental

tick-borne encephalitis in mice, eff. on nucleic acid composition & content of brain)

(NUCLEIC ACIDS, metabolism

composition & content in brain of mice with exper. Japanese B encephalitis & tick-borne encephalitis)

KURKIN, K.A.; TIKHONENKO, T.I.

Nitrophilous plants and the criterion of nitrophily [with  
summary in English]. Bot.zhur. 43 no.12:1682-1689 D '58.  
(MIRA 11:12)

1. Moskovskiy universitet imeni M.V.Lomonosova.  
(Plants--Nutrition) (Nitrates)

TIKHONENKO, T.I.; KUPTSOV, M.G.; NIKOL'SKAYA, I.I.

Control device for column chromatography. Biokhimiia 25 no.2:376-  
379 Mr-Apr '60. (MIRA 14:5)

1. Laboratoriya biokhimii virusov Instituta radiatsionnoy i fiziko-  
khimicheskoy biologii Akademii nauk SSSR i laboratoriya biokhimii  
Instituta virusologii im. D.I.Ivanovskogo Akademii meditsinskikh  
nauk SSSR, Moskva.

(CHROMATOGRAPHIC ANALYSIS)

· TOVARNITSKIY, V.I.; TIKHONENKO, T.I. (Moskva)

Infectivity of viral nucleic acids. Usp. sov. biol. 49 no.1:  
19-36 Ja-F '60. (MIRA 14:5)  
(VIRUSES) (NUCLEIC ACIDS)

TIKHONENKO, T. I., TIKHONENKO, A. S., and KRIVISKIY, A. S. (USSR)

"Inherited in vitro Radiation Changes in Phages."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1961

TIKHONENKO, T.I.; SOLOV'YEVA, N.Ya.

Concentration and purification of the cd phage from Escherichia coli strain CK. Biokhimiia 26 no.5:794-799 9-0 '61. (MIRA 14:12)

1. Laboratory of Virus Biochemistry, Institute of Radiation and Physico-Chemical Biology and Immunological Department, Institute of Microbiology and Epidemiology, Academy of Medical Sciences of the U.S.S.R., Moscow.

(BACTERIOPHAGE)

(ESCHERICHIA COLI)

TIKHONENKO, T.I.; VINETSKIY, Yu.P.; ZEMTSOVA, E.V.

Method for obtaining phage lysates of *Escherichia coli* S<sub>d</sub> with  
high initial titers. Mikrobiologiya 30 no.6:1020-1022 M-D '61.  
(MIRA 14:12)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR.  
(ESCHERICHIA COLI) (BACTERIOPHAGE)

ABELEV, G.I., kand. med. nauk; BUKRINSKAYA, A.G., kand. med. nauk;  
 GEL'TSER, R.R., prof.; GOLINEVICH, Ye.M., prof.; ZHDANOV, V.M.,  
 prof.; ZDRODOVSKIY, P.F., prof.; KALINA, G.P., prof.; KAULEN,  
 D.R., kand. med. nauk; KIKTENKO, V.S., prof.; KRYLOVA, O.P.,  
 kand. med. nauk; KUCHERENKO, V.D., kand. med. nauk; LOMAKIN,  
 M.S., kand. med. nauk; MOSING, G.S., doktor med. nauk; PERSHINA,  
 Z.G., kand. sel'khoz. nauk; PEKHOV, A.P., doktor biol. nauk;  
 PESHKOV, M.A., prof.; TIKHONENKO, T.I., kand. med. nauk;  
 TOVARNITSKIY, V.I., prof.; SHEN, R.M., prof.; ETINGOF, R.N.,  
 kand. med. nauk; KALININA, G.P., prof., nauchnyy red. toma;  
 ZHUKOV-VEREZHNIKOV, N.N., prof., otv. red.; VYGODCHIKOV, G.V.,  
 prof., zamest. otv. red.; TIMAKOV, V.D., prof., zam. otv. red.  
 BAROYAN, O.A., prof., red.; KALINA, G.P., red.; PETROVA, N.K.,  
 tekhn. red.

[Multivolume manual on the microbiology, clinic, and epidemiology  
 of infectious diseases]Mnogotomnoe rukovodstvo po mikrobiologii  
 klinike i epidemiologii infektsionnykh boleznei. Moskva, Medgiz,  
 Vol.2. [General microbiology]Obshchaya mikrobiologiya. Red. V.M.  
 Zhdanov. 1962. 535 p. (MIRA 16:1)

(Continued on next card)

TIKHOMENKO, T.I.

Synthesis and properties of protein exchangers (adsorbents) for deoxyribonucleic acid. Biokhimiia 27 no.1:131-141 Ja-F '62. (MIRA 15:5)

1. Laboratory of Virus Biochemistry, Institute of Radiation and Physico-Chemical Biology, Academy of Sciences of the U.S.S.R., Moscow.

(NUCLEIC ACIDS) (PROTEINS) (ADSORBENTS)

TIKHONENKO, T.I.; VELIKODVORSKAYA, G.A.; ZEMTSOVA, E.V.

Chemical and biological properties of  $\phi$  bacteriophage. Biokhimiia  
27 no.4:726-733 J1-Ag '62. (MIRA 15:11)

1. Institute of Radiation and Physico-Chemical Biology, Academy  
of Sciences of the U.S.S.R., and Institute of Microbiology and  
Epidemiology, Academy of Medical Sciences of the U.S.S.R., Moscow.  
(BACTERIOPHAGE)

TIKHONENKO, T.I.

Preparation and characteristics of high-polymer deoxyribonucleic acids from bacteriophages. Biokhimiia 27 no.6:1015-1022 M-9 '62. (MIRA 17:5)

1. Institut mikrobiologii i epidemiologii imeni N.S. Gamalei  
AMN SSSR i Institut radiatsionnoy i fiziko-khimiicheskoy  
biologii AN SSSR, Moskva.

BUKRINSKAYA, A.G.; SMIRNOV, Yu.A.; TIKHONENKO, T.I.; KISELEV, F.L.

Purification and concentration of Sendai virus by chromatography on TEAE-cellulose. Acta virol. (Praha) [Eng.] 9 no.1: 92 Ja '65

1. The Ivanovsky Institute of Virology, U.S.S.R., Academy of Medical Sciences, Moscow.

SELIVANOV, Ya.M.; MEN'SHIKH, L.K.; TIKHONENKO, T.I.; GORBUNOVA, A.S.;  
SOKOLOV, M.I.

Purification and fractionation of influenza virus by chromatography on aminoethylcellulose. Vop. virus. 9 no.5:550-555  
S-O '64. (MIRA 18:6)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

TIKHONENKO, Y.I.; AR. J. 1971; 1:1; 1:1.

Isolation and characteristics of preparations of nucleic acids  
from tumors. Top. med. khim. 9 no.6:611-621 N-L '69.

(MIRA 17:10)

1. Otdel onkologii i immunologii Instituta epidemiologii i  
mikrobiologii imeni N.P. Gamalei ANI SSSR, Moskva.

.TIKHOMENKO, T.I.

Possible ways for the chemical evolution of viruses and nucleic  
acids. Vest. AMN SSSR 18 no.5:55-60'63. (MIRA 16:8)  
(VIRUS RESEARCH) (NUCLEIC ACIDS)

TIKHONENKO, T.I.; PICHUGINA, N.G.; KOUDELKA, Ya. [Koudelka, J.]

Molecular state of deoxyribonucleic acid in the  $\phi$  phage  
corpuscule. Biokhimiia 28 no.1:101-112 Ja-F '63.

(MIRA 16:4)

1. Institut epidemiologii i mikrobiologii imeni N.F.Gamalei  
AMN SSSR i Institut radiatsionnoy i fiziko-khimicheskoy biologii  
AN SSSR, Moskva (for Tikhonenko, Pichugina). 2. Institut  
biofiziki, Brno, Chekhoslovakiya (for Koudelka).  
(NUCLEIC ACIDS) (BACTERIOPHAGE)

KISELEV, N.A.; TIKHONENKO, T.I.; KAFTANOVA, A.S.; KISELEV, F.L.

Study of the S<sub>d</sub>-phage and its nucleic acid by electron microscop-  
y. Biokhimiia 28 no.6:1065-1069 N-D'63 (MIRA 17:1)

1. Institute of Crystallography, Academy of Sciences of the  
U.S.S.R., and Institute of Epidemiology and Microbiology,  
Academy of Medical Sciences of the U.S.S.R., Moscow.

TIKHONENKO, T.I.; KOUDELKA, Ya.; BORISHPOLETS, Z.I.

Concentration and purification of phages by the method of  
column chromatography. Mikrobiologiya 32 no.4:723-726 J1-Ag  
'63. (MIRA 17:6)

1. Institut epidemiologii i mikrobiologii imeni N.F. Gamaleya  
AMN; Institut biofiziki AN Chekhoslovatskoy SR, Brno.

TIKHONENKO, T.I.; PEREVERTAYLO, G.A.; DOBROV, Ye.N.; KISELEV, F.L.

Mechanism of the thermal denaturation of deoxyribonucleic acid.  
Dokl. AN SSSR 151 no.1:237-240 J1 '63. (MIRA 16:9)

1. Institut virusologii AMN SSSR. Predstavleno akademikom  
A.N.Belozerskim.

(Nucleic acids)

TIKHONENKO, T.I.

Ion-exchange chromatography of nucleic acids and their components.  
Sovr. metod. v biokhim. 1:198-222 '64.

(MIRA 18:5)

ARTAMONOVA, V.A.; TIKHONENKO, T.Y.; MORGUNOVA, T.D.

Effect of ribonucleic acid on the growth of tumor cells. 7op.  
onk. 10 no.3:22-26 '64. (MIRA 17:8)

1. Iz otdela obshchey immunologii i onkologii Instituta epidemiologii i immunologii imeni Gamalei AMN SSSR (zav. otdelom -- deystvitel'nyy chlen AMN SSSR prof. L.A. Zil'ber). Adres avtorov: Moskva, D-182, Malaya Smolukinskaya, 13, Institut epidemiologii i immunologii imeni N.P. Gamalei.

NIKOL'SKAYA, I.I.; NISLINA, G.S.; TIKHOMIROV, I.I.

Isolation of 5'-nucleotidase of viper venom from interfering enzymes. Dokl. AN SSSR 197 no. 2:475-477 J1 '64. (MIRA 17:7)

1. Institut virusologii imeni D.J. Ivanov kogo AN SSSR i Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

MEN'SHIKH, L.K.; SELIVANOV, Ya.M.; TIKHONENKO, T.I.; SOKOLOV, M.I.; GORBUNOVA, A.S.; ZHDANOV, V.M.

Use of ion-exchange chromatography for preparative production of purified influenza virus. Vop. virus. 10 no.3:302-307 My-Je '65. (MIRA 18:7)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

DEMBO, A.T.; DOBROV, Ye.N.; LEDNEV, V.V.; TIKHONENKO, T.I.; FEYGIN, L.A.

DNA packing inside the heads of bacteriophages D<sub>7</sub>, T<sub>2</sub>, and S<sub>d</sub>.  
Biofizika 10 no.3:404-407 '65. (MIRA 18:11)

1. Institut kristallografi AN SSSR, Moskva i Institut virusologii  
imeni Ivanovskogo AMN SSSR, Moskva. Submitted Oct. 10, 1964.

NIKOL'SKAYA, J.I.; KISLINA, O.S.; TIKHONENKO, I.I.

Properties of 5'-nucleotidase of the Vipera lebetina venom.  
Biokhimiia 30 no.1:107-112 Ja-F '65. (MIRA 19:6)

1. Laboratoriya nukleinovykh kislot Instituta virusologii imeni  
Ivanovskogo AMN SSSR i kafedra virusologii Gosudarstvennogo  
universiteta imeni Lomonosova, Moskva.

ARTAMONOVA, V.A.; TIKHONENKO, T.I.

Method of fractionation of nucleic acids on a protein sorbent.  
Biokhimiia 30 no.4:806-815 J1-Ag '65. (MIRA 18:8)

1. Otdel obshchey immunologii i onkologii Instituta epidemio-  
logii i mikrobiologii imeni N.F. Gamalei i laboratoriya bio-  
khimii Instituta virusologii imeni D.I. Ivanovskogo, AMN SSSR,  
Moskva.

NIKOL'SKAYA, I.I.; KISLINA, O.S.; SHALINA, N.M.; TIKHONENKO, T.I.

Substrate specificity of phosphodiesterase of the venom of  
Vipera lebetina. Biokhimiia 30 no.6:1236-1244 N-D '65.  
(MIRA 1961)

1. Laboratoriya nukleinovyykh kislot Instituta virusologii  
imeni D.I.Ivanovskogo AMN SSSR i Kafedra virusologii Gosu-  
darstvennogo universiteta imeni M.V.Lomonosova, Moskva.  
Submitted March 27, 1965.

GRIGORYAN, G.L.; KHARITONENKOV, I.G.; TITONENKO, T.I.; KALMANSON, A.E.

Electron paramagnetic resonance method for studying the inter-relationship between semiquinone-type free radicals and native and denaturated DNA. Dokl. AN SSSR 165 no.1:224-226 N '65.

(MIRA 18:10)

1. Institut virusologii im. D.I. Ivanovskogo AMN SSSR i Moskovskiy gosudarstvennyy universitet. Submitted April 26, 1965.

ACC NR: AP6033197

SOURCE CODE: UR/0219/66/062/010/0075/0078

AUTHOR: Borishpolets, Z. I.; Tikhonenko, T. I.; Biryulina, T. I.

ORG: Department of Immunology and Oncology /Director - Active Member  
SSSR L. A. Zil'ber/, Institute of Epidemiology and Microbiology im.  
N. F. Gamaleya /Director - Corresponding Member AN SSSR O. V. Baroyan/,  
AMN SSSR (Otdel immunologii i onkologii Instituta epidemiologii i  
mikrobiologii AMN SSSR)

TITLE: Antigenicity of DNA bacteriophages

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 62,  
no. 10, 1966, 75-78

TOPIC TAGS: antigen , DNA, bacteriophage, ~~T2 bacteriophage~~  
medical experiment

ABSTRACT: The antigenic properties of DNA bacteriophages have been  
debated in the literature. To determine whether or not DNA phages  
possess antigenic properties, DNA preparations from T2 phages consisting  
mostly of phage protein were used as the antigenic component in the  
diffusion precipitation in agar and complement-fixation reactions.  
Only partially "deproteinized" DNA protein (denatured by phenol) yielded

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UDC: 576.858.9.098.396.332.092.7

ACC NR: AP6033197

positive results. More denaturation deprived DNA preparations of their  
antigenic properties. Orig. art. has: 2 tables. [W.A. 50]

SUB CODE: 06/ SUBM DATE: 21May65/ ORIG REF: 011/ OTH REF: 011

Card 2/2

TIKHONENKO, V., master sporta; YEGOROV, I., master sporta; ZHUYKOV, V.,  
master sporta

Guarantee of safety. Kryl. rod. 16 no.8:22-23 Ag '65.  
(MIRA 18:8)

TIKHONENKO, V.M.

Pharmacology of some derivatives of the polyalkylpiperidine series. Farm. i toks. 25 no.6:698-705 N-D '62.

(MIRA 27:8)

1. Kafedra farmakologii (zav. -- deystvitel'nyy chlen AMN SSSR prof. A.I. Cherkes) Kiyevskogo meditsinskogo instituta.

TIKHONENKO, V.M.

Dependence of the pharmacological action on the chemical structure of polyalkylpiperidine ganglion-blocking derivatives. Farmatsev. zhur. 17 no.1:31-36 '62. (MIRA 15:6)

1. Kafedra farmakologii Kiyevskogo meditsinskogo instituta, (zav. kafedroy - deystvitel'nyy chlen AMN SSSR prof. O.I. Cherkes).

(PIPERIDINE)

TIKHONENKO, Ye. A.

Dissertation defended for the degree of Candidate of Juridicial Sciences  
at the Institute of Government and Law

"Civil-Legal Responsibility for Negotiating Cooperative Deliveries."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

TIKHONENKO, Ye.I.

Surgical technique in strangulated femoral hernia. Vest.khir,<sup>74</sup>  
no.2:60 Mr '54. (MLRA 7:4)

1. Iz khirurgicheskogo otdeleniya (nachal'nik - Ye.I.Tikhonenko)  
Zhmerinskoy otdelencheskoy bol'nitsy.  
(Hernia)

SEMENOV, Ye.I.; TIKHOMENKOV, I.P.

Low-temperature ramsayite. Trudy IMGRE no.7:91-95 '61.  
(MIRA 16:11)

TIKHONENKOV, Igor' Petrovich

DECEASED  
c. '63

1964

Mineralogy  
Geochemistry

TIKHONENKOVA, R. P.

Tikhonenkova, R. P.

"Rock of the Talovskiy mountains and the role of the phenomena of hybridism in their formation." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov. Geological Faculty. Chair of Petrography. Moscow, 1956 (Dissertation for the degree of Candidate in Geologicomineralogical Sciences)

Knizhnaya letopis'  
No. 25, 1956. Moscow

TIKHONENKOVA, R.P.

Geological development of hybrid injection-contact rocks in the  
Talovsk Mountains (southern Urals). Izv. vys. ucheb. zav.; geol.  
i razv. l. no.10:61-70 O '58. (MIRA 12:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.  
Kafedra petrografii.

(Talovsk Mountains--Rocks, Igneous)

TIKHONENKOVA, R.P.

Amphiboles in injected-contact rocks of the Talovsk Mountains  
(southern Urals). Nauch.dokl.vys.shkoly; geol.-geog.nauki  
no.2:70-77 '59. (MIRA 12:8)

1. Moskovskiy universitet, geologicheskoy fakul'tet, kafedra  
mineralogii i petrografii.  
(Talovsk Mountains--Amphibole)

TIKHONENKOVA, R.P.

Genesis of contact rocks in the Lovozero Massif. Biol.MOIP.Otd.  
geol. 35 no.4.1960 JI-Ag '60. (MIRA 14:4)  
(Lovozero "undras--Rocks)

TIKHONENKOVA, R.P.; KAZAKOVA, M. Ye.

Vlasovite, a new zirconium silicate from the Lovozero Massif.  
Dokl. AN SSSR 137 no.4:944-946 Ap '61. (MIRA 14:3)

1. Institut mineralogii, geokhimii i kristallokhimii redkikh  
elementov AN SSSR. Predstavleno akademikom N. V. Bolovym.  
(Lovozero Tundras—Zirconium silicate)

8/677/62/000/009/001/003  
A057/A126

**AUTHORS:** Tikhonenkov, I.P., Tikhonenkova, R.P.

**TITLE:** The mineralogy of contact rocks of the Lovozero mountain range

**SOURCE:** Akademiya nauk SSSR. Institut mineralogii, geokhimii i kristalloghimii redkikh elementov. Trudy, no. 9, 1962. Redkiye elementy v massivakh shchelochnykh porod. 3 - 35

**TEXT:** In continuation of earlier papers the authors report on mineralogical investigations of rocks of the Lovozero mountain range generated in contact with gneisses. These rocks border in a plane band the whole Lovozero range forming a complex contact zone of 50 to 300 m width. In 1960 the present authors determined the composition of this zone of at least two genetically different complexes of rocks. The present paper contains the results of investigations by I.P. Tikhonenkov in 1957 - 1958 and R.P. Tikhonenkova in 1958 - 1960. Mineralogical geological data and data on the chemical composition of the following typomorphic and accessory rare earth minerals of the contact rocks of Lovozero range are presented: Haloides - fluorite; oxides - loparite, pyrochlore,

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The mineralogy of contact rocks of the ....

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ilmenite, anatase, quartz; carbonates - magnesite, bastnaesite, mineral no. 1; silicates - pectolite, apophyllite, epididymite, lithium micas, biotite, stilpnomelane, hisingerite, endialyte, zircon, catapleite, elpidite, woehlerite, vlasovite, sphene, aenigmatite, narsarsukite, ramsayite, astrophyllite, lamprophyllite, neptunite, nenadkevichite, labuncovite, rinkolite, orthite, mineral no. 2; and phosphates - apatite and rhabdophanite. The chemical analyses were carried out in different laboratories and by different analysts. The following conclusions are drawn by the authors at the end of the present report: The data presented demonstrate that different minerals are confined to certain types of rocks. Among these there can be clearly distinguished two paragenetic associations corresponding to two genetically different complexes of rocks - fenites and postmagmatic syenites. The main part of rock-forming and accessory minerals of nepheline syenites of the range are in the fenites. Besides the usually contained minerals, nepheline syenites of the endocontact facies of this complex contain the characteristic minerals murmanite, aenigmatite, astrophyllite, and neptunite. Narsarsukite is found only in fenites. The following paragenetic association of minerals is characteristic of rocks formed in different stages of the postmagmatic syenitization process: zircon, pyrochlore, vlasovite, woehler-

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The mineralogy of contact rocks of the ....

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ite, ilmenite, anatase, catapleite, elpidite, radiate sphene, biotite, stilpnomelane, orthite, carbonates, quartz, fluorite, apatite, and also accessory lithium micas, fluorocarbonates of rare earths, etc. Some minerals like ilmenite, ramsayite, and sphene might be present in different groups of rocks, but some of them (ramsayite, sphene) show in each case characteristic forms of formation. This might characterize rocks from one complex in comparison to another in consideration of other factors. Ilmenite must be considered as a characteristic contact mineral occurring in nepheline syenites as a result of the interaction between the alkaline magma and the enclosed rocks. The present paper contains only results on contact rocks formed in consequence of an interaction between alkaline solutions and old archaean gneiss series. Data on the mineralogy of rocks emerging after processing of sedimentary-effusive formations, which are found in the form of xenoliths, are not presented since these investigations are not finished yet; however, first results indicate that these formations are also intensively mineralized. There are also present two complexes of contact formations - one is connected with a magmatic replacement, the other with the influence of postmagmatic solutions. Among other widely distributed minerals in this mountain range were found in the formation mentioned last, the following

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minerals: lavenite, rinkolite, woehlerite, rosenbuschite, vlasovite, pyrochlore, zircon, and others. It is possible that these minerals are present in large quantities. There are 15 tables.

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S/677/62/000/009/003/003  
A057/A126

**AUTHORS:** Tikhonenkova, R.P., Tikhonenkov, I.P.

**TITLE:** Regularities in the distribution of rare elements in contact rocks of the Lovozero mountain range

**SOURCE:** Akademiya nauk SSSR. Institut mineralogi, geokhimii i kristallogimii redkikh elementov. Trudy, no. 9, 1962. Redkiye elementy v massivakh shchelochnykh porod. 125 - 141

**TEXT:** The singularity of structure and composition of the contact-metasomatic rocks of the Lovozero mountain range were discussed by the authors in earlier papers. In the present work preliminary results are presented of investigations on the distribution of the rare elements lithium, rubidium, beryllium, gallium, and the rare earths zirconium and niobium. Mean samples of all types of contact-metasomatic rocks were taken in a weight of 10 kg, and after grinding 0.5 kg batches were used for chemical analyses. All chemical and spectral analyses were carried out in the laboratories of the IMGRE. The lithium, rubidium, and potassium determinations were carried out through flame photometry by the

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Regularities in the distribution of rare elements .... S/677/62/000/009/003/003  
A057/A126

analysts T.G. Uvarova and G.N. Popova. The beryllium content was determined through the quantitative spectral method by N.M. Bronina, while the rare earths niobium, zirconium, and gallium were determined chemically by the analysts Z. Katayeva, N. Korotkova, M. Kukharchik, O.F. Sazonova, A. Manukhova, Z. Burova, A.M. Kislov, T.A. Kapitanova. The X-ray spectral analyses of rare earth minerals were done by R.L. Barinskiy. The authors give in separate chapters for each of the analyzed elements corresponding mineralogical, structural, and geochemical information, and data on the composition of rocks. Some data refer to deposits in the Vavnbled Mountain. The authors conclude: The investigated contact formations are enriched by the mentioned rare elements, since their mean content is higher than the mean content in the main complexes of rocks of the range. The distribution of the rare elements shows in the contact zone certain regularities corresponding to singularities of metasomatic processes at the different stages of the formation of the Lovozero range. Thus occurs the formation of contact rocks in the process of fenitization with a considerable addition of the following rare elements from the magma: beryllium, niobium, zirconium, rare earths, etc. The main part of rare elements disperses in the structures of different fenite minerals, while part of them form complicated complex compounds.

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Regularities in the distribution of rare elements ....

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A precisely developed tendency to a separation of the main part of rare elements and their concentrated isolation in form of proper minerals occurs during the postmagmatic syenitization. It can be seen an evacuation of rare elements from the replacing rocks (fenites, nepheline syenites, gneisses). In dependence of the stage of postmagmatic syenitization, the interaction of solutions with the enclosing rocks, and the change of their acidity-alkalinity there occurs a redistribution of rare elements and a secondary enrichment of separate zones of postmagmatic syenites. Characteristic is the relative enrichment of the rocks of the front zones of the process of postmagmatic syenitization with the most basic components of the group of rare elements in respect to more acidic rocks of the central zones. Lithium and rubidium accumulate generally in the outer parts of bodies in the stages of micatization and especially microclinization. The main mass of niobium minerals forms in the stage of albitization. Here a relative accumulation of gallium happens. This rather precise distribution of rare elements during the stages of postmagmatic syenitization will possibly aid in prospecting and exploring deposits formed by the development of this original metasomatic process. There are 2 figures and 13 tables.

Card 3/3

BONDARENKO, Nikolay Antipovich; TELYATNIKOV, B.I., inzh., retsenzent;  
TIKHONEVICH, B.Z., inzh., retsenzent; NOVIKAS, M.N., red.;  
VOROB'YEVA, L.V., tekhn. red.

[Mechanization of work in communications cable-laying operations] Mekhanizatsiya rabot pri prokladke kabeloi svyazi.  
Moskva, Izd-vo "Transport," 1964. 157 p. (MIRA 17:4)

TIKHONIN, I., prof.; FEL'DSHTEYN, M., dotsent, MART'YANOV, S., dotsent

Losses in the weight of livestock and meat. Mias.ind.SSSR 31  
no.2:37-38 '60. (MIRA 13:8)

1. Moskovskiy tekhnologicheskij institut myasnoy i molochnoy  
promyshlennosti.

(Cattle--Transportation)

TIKHONEVICH, Y. M.

Motion pictures in education and research. Nauka i pered. op. v  
sel'khoz. 7 no.4:63-65 Ap '57. (MLRA 10:6)

1. Zaveduyushchiy kinokabinetom Moskovskoy ordena Lenina sel'skokho-  
zyaystvennoy akademii imeni K.A. Timiryazeva.  
(Motion pictures in agriculture)

TIKHONCHUK, Yu., kand.ekon.nauk.

Efficient organization of automotive and railroad transport.

Avt.transp. 35 no.9:7 S '57.

(MIRA 10:10)

(Freight and freightage)

TIKHONEVICH, YE. M.

Moving Pictures in Agriculture

Using moving picture films in instruction at the K. A. Timiriazev Agricultural Institute. Dost.sel'khoz. No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

TIKHONEVICH, Ye. M.

Agriculture - Study and Teaching

Using moving picture films in instruction at the K. A. Timiriazev Agricultural Institute. Dost. sel'khoz. No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

1. TIKHONIN, G. I. ISHCHENKO, F.K.
2. USSR (600)
4. Kirov Province - Forests and Forestry
7. Leading forest administration of Kirov Province. Les. khoz. No. 12 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

LUSHCHENKOV, I. I.

31

PHASE I BOOK EXPLOITATION

837/5740

Akademii nauk SSSR. Institut mineralogii, geokhimii i kristalloghimii redkikh elementov

Voprosy mineralogii, geokhimii i genesisa masterozhdeniy redkikh elementov  
(Problems in Mineralogy, Geochemistry, and Deposit Formation of Rare Elements)  
Moscow, Izd-vo AN SSSR, 1960. 253 p. (Series: Its: Trudy, vyp. 4) Errata  
printed on the inside of back cover. 2,200 copies printed.

Chief Ed.: K. A. Vlasov, Corresponding Member, Academy of Sciences USSR;  
Resp. Ed.: V. V. Lyakhovich; Ed. of Publishing House: L. S. Tarasov;  
Tech. Ed.: P. S. Kashina.

PURPOSE: This book is intended for geologists, mineralogists, and petrographers.

COVERAGE: This is a collection of 23 articles on the formation, geology,  
mineralogy, petrography, and geochemistry of deposits of rare elements in  
Siberia and [Soviet] Central Asia. The distribution and characteristics of  
rare elements found in these areas as well as some quantitative and qualitat-  
ive methods of investigating the rocks and minerals in which they are found,

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Problems in Mineralogy (Cont.)

SSR/5740

or with which they are associated, are discussed. Two articles present an economic investigation of the possibilities of industrial extraction and utilization of selenium, tellurium, and hafnium. No personalities are mentioned. Each article is accompanied by references.

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Card 2/6

Problems in Mineralogy (Cont.)

SOV/5740

MINERALOGY AND PETROGRAPHY

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31

Problems in Mineralogy (Cont.)

ES7/5740

Igolkovich, V. V., and A. D. Chervinskaya. On the Character of the Distribution of Accessory Minerals in Granite Massifs

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Ivanov, V. V., and O. Ye. Yashko-Zakharova. Discovery of Franciscite in Yakutiya

131

Zugov, V. H., and A. V. Kosterin. Yttriofluorite From the Deposits of [Soviet] Central Asia

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Podgorina, Ye. K. Crystallographic Forms of Celestine From the Galitsynskiy Deposits of Strontium in the Tadzhikskaya SSR

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31

Problems in Mineralogy (Cont.)

227/574.0

Loginova, L. A. Experiment in Measuring the Optical Constants of Germanite and Renierite

224

ECONOMICS OF RARE ELEMENTS

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235

Kaganovich, S. Ya. Hafnium (Economic Survey)

246

AVAILABLE: Library of Congress

Card 6/6

JA/Gms/hrs  
11-14-61

VLASOV, K.A., glav. red. [deceased]; SEMENOV, Ye.I., doktor geol.-min. nauk, otv. red.; TIKHONENKOVA, R.P., kand. geol.-min. nauk, otv. red.

[Mineralogy and genetic characteristics of alkali massifs]  
Mineralogiia i geneticheskie osobennosti shchelochnykh massivov. Moskva, Nauka, 1964. 193 p. (MIRA 18:2)

1. Akademiya nauk SSSR. Institut mineralogii, geokhimii i kristalloghimii redkikh elementov. 2. Chlen-korrespondent AN SSSR (for Vlasov).

31

PHASE I BOOK EXPLOITATION

SGV/5740

Akademiya nauk SSSR. Institut mineralogii, geokhimii i kristalloghimii redkikh elementov

Voprosy mineralogii, geokhimii i genezisa nestorozhdeniy redkikh elementov (Problems in Mineralogy, Geochemistry, and Deposit Formation of Rare Elements) Moscow, Izd-vo AN SSSR, 1950. 253 p. (Series: Its: Trudy, vyp. 4) Errata printed on the inside of back cover. 2,200 copies printed.

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Resp. Ed.: V. V. Lyakhovich; Ed. of Publishing House: L. S. Tarasov;  
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COVERAGE: This is a collection of 23 articles on the formation, geology, mineralogy, petrography, and geochemistry of deposits of rare elements in Siberia and [Soviet] Central Asia. The distribution and characteristics of rare elements found in these areas as well as some quantitative and qualitative methods of investigating the rocks and minerals in which they are found,

Card 1/6

31

807/5740

Problems in Mineralogy (Cont.)

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Semenov, Ye. I. Gelzirconium in Alkaline Pegmatites	85
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Problems in Mineralogy (Cont.)

807/5740

Logina, L. A. Experiment in Measuring the Optical Constants of  
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235

Kaganovich, S. Ya. Hafnium (Economic Survey)

246

AVAILABLE: Library of Congress

Card 6/6

JA/Com/1005  
11-14-61

GOTSDINER, S.G.; GRODETSKIY, I.A.; KATSEN, I.Ye.; KRASNANSKIY, A.I.;  
POSEL'SKIY, P.P.; SOROKIN, N.N., inzhener, redaktor; TIKHONOVICH,  
B.Z., inzhener, redaktor; KHITROV, P.A., tekhnicheskiy redaktor

[Advanced engineering methods in excavation work in connection with  
railroad construction] Peredovaya tekhnologiya proizvodstva ze-  
mlianykh rabot pri stroitel'stve zheleznnykh dorog. Moskva, Gos.  
transp.zhel-dor. izd-vo, 1956. 150 p. (MLRA 9:10)

(Excavating machinery)

(Railroads--Earthwork)

TIKHONIN, I.Ya., professor; KAS'YANOV, I.Z., starshiy nauchnyy sotrudnik;  
VAGANOVA, N.T., mladshiy nauchnyy sotrudnik; KUTEPOVA, N.I.,  
mladshiy nauchnyy sotrudnik

Peculiarities of radiation sickness complicated by surgical  
intervention in foci of the abdominal cavity under morphine and  
ether anesthesia. Vest.rent i rad. 31 no.1:27-30 Ja-P '56. (MLRA 9:7)

1, Iz radiologicheskogo otdela (zav.-prof. A.V.Kozleva) Gosudar-  
stvennogo nauchno-issledovatel'skogo instituta rentgenologii i  
radiologii imeni V.M.Molotova (dir.-dotsent I.G.Lagunova)

(ROENTGEN RAYS, inj. eff.)

(RADIATION SICKNESS, exper.

surg. of abdom. cavity with morphine & ether anesth.)

(MORPHINE, anesth. and analgesia

in surg. of abdom. cavity in exper. radiation sickness)

(ETHER, ETHYL, anesth. and analgesia

sane)

TIKHONIN, I. YA.

Category: USSR / Farm Animal Diseases Caused by Helminths.

V-3

Abs Jour: Refer. Zhur-Biologiya, No 16, 1957, 72311

Author : Proshkina E. G., Tikhonin I. Ya., Kopyrin A. V.

Inst : Not given

Title : A Case of Eye Setariosis in a Horse.

Orig Pub: Sb. Nauch. Rabot Sibirsk. N. I. In-ta, 1956 Vyp. 6, 231-235

Abstract: No abstract.

Card : 1/1

-2-

TIKHONIN, I.Ya., prof.; FEL'DSHTEYN, M.A., dotsent; MART'YANOV, S.N., dotsent;  
ZEL'MANOV, I.S., veterinarnyy vrach; ROMANDINA, V.P., veterinarnyy vrach;

Losses in the meat industry from hidden injuries in cattle.  
Veterinariia 36 no.9:49-51 S '59. (MIRA 12:12)

1.Moskovskiy tekhnologicheskii institut myasnoy i molochnoy  
promyshlennosti.

(Meat industry and trade)

TIKHONIN, I. Ya., FELUKHTEYN, P. A., LANTYANOV, S. N. CHERNYAKOV, V. V. and  
POLITOV, S. N.

"Means for dehorning calves and cattle."

Veterinariya, Vol. 38 No. 5, 1961

Tikhonin, I. Ya. - Professor Moscow Technological Institute of Meat and Milk  
Industry

TIKHONIN, I.Ya.; FEL'DSHTEYN, M.A.; MART'YANOV, S.N.; ZEL'MANOV, I.S.;  
ROMANDINA, V.P.

Injuries in cattle raised for meat. Izv.vys.ucheb.zav.;pishch.  
tekh. no.5:79-83 '58. (MIRA 11:12)

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy  
promyshlennosti, kafedra khirurgii i akusherstva.  
(Cattle).

GOLUBEV, A.M., aspirant; TIKHONIN, I.Ya., prof., nauchnyy rukovoditel'

Preventing traumatism in cattle marked for slaughter.  
Veterinariia 42 no.7:98-100 J1 '65. (MIRA 18:9)

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy  
promyshlennosti.

LATSIMOL. Ye.Ya., prof.; TIKHON'KOVA, Ye.M.

Generalized form of erysipelas Vrach.delo no.7:130-131 JI '60.  
(MIRA 13:7)

1. Gorodskaya infektsionnaya bol'nitsa g. Odessa.  
(ERYSIPLOID)

DVIZHKOVA, O.V.; TIKHON'KOVA, Ye.M.

Prognostic significance of Kimbarovskii's reaction in scarlet fever  
in children. *Pediatrics* 37 no.9:89 S '59. (MIRA 13:2)  
(SCARLET FEVER)

TOVARNITSKIY, V.I.; TIKHONONKO, T.I.

Symposium on the biochemistry of viruses. Usp.sovr.biol. 47 no.1:  
121-126 Ja-F '59. (MIRA 12:2)  
(VIENNA--VIRUS RESEARCH--CONGRESSES)

TIKHONOV, . entomolog

What's new in controlling the gypsy moth. Zhil.-kom. khoz.  
9 no.4:18 '59. (MIRA 12:7)  
(Gypsy moth)

TIKHONOV,

"Intrauterine Infection of Calves with Foot-and-Mouth Disease". Veterinariya, 1942,  
No. 12.

TIKHONOV,

"About the LP-2 in treatment of hemosporidiosis of horses "

Korniienko (Koneva), Z. P., Cand Vet Sci; Tikhonov, Vet; Timofrev, Vet.  
Veterinary Faculty, Turkmen Agricultural Institute

SO: Veterinariya 24 (3) 1947 p 24

TIKHONOV, A.

Increasing shifts is an important hidden potentiality in  
machinery manufacturing. Sots. trud 7 no.10:102-106 0 '62.  
(MIRA 15:10)

1. Glavnyy inzhener zavoda "Russkiy dizel".

(Leningrad--Diesel engines--Technological innovations)

PODShCHEKOLDIN, I., dotsent; GOL'DENBERG, Yu.; TIKHONOV, A.

Training specialists. Avt.transp. 41 no.10:43-46 0 '63.  
(MIRA 16:10)

1. Prorektor Khar'kovskogo avtomobil'no-dorozhnogo instituta (for  
Podshchekoldin). 2. Direktor Kustanayskogo uchebnogo kombinata  
(for Tikhonov).

DOLZHIKOV, M.; PONOMAREV, V.; LIKHONOV, A.; KOPPE, M.; VENEDIKTOV, V.

Training specialists. Avt. transp. 42 no.9:45-48 S 166.  
(MIRA 18:9)

TIKHONOV, A.

Workers who promote efficiency in our plant. Sov.profsoiuzy 4  
no.1:25-28 Ja '56. (MLRA 9:4)

1.Predsedatel' komissii po massovomu rabochemu izobretatel'stvu  
i ratsionalizatsii zavkoma profsoyuza Kiyevskogo Mashinostroitel'-  
nogo zavoda "Bol'shevik".  
(Efficiency, Industrial)

TIKHOMOV, A.

Stereophonic photocograph pickup. Radio no.6:51-52,59 Je '60.

(MIRA 13:7)

(Phonograph)

TIKHONOV, A.

Improve production management. Fin.SSSR 19 no.11:64-65  
N 158. (MIRA 12:7)

1. Starshiy kontroler-revizor Kontrol'no-revizionnogo upravleniya  
Ministerstva finansov RSFSR po Chuvashskoy ASSR.  
(Chuvashia--Industrial management)

TIKHONOV, A.

Apparatus of the regional economic council must be simplified.  
Fin.SSSR 20 no.8:59 Ag '59. (MIRA 12:11)

1. Kontroler-revizor Kontrol'no-revizionnogo upravleniya  
Ministerstva finansov RSFSR po Chuvashskoy ASSR.  
(Chuvashia--Economic policy)

TIKHONOV, A., general-major artillerii

A wide road for advanced experience. Tekh. i vooruzh. no.5:55-56  
My '64. (MIRA 17:9)

VIL'PERT, K.I.; PEVZNER, Ya.M., doktor tekhn.nauk; TIKHONOV, A.A., kand.tekhn.  
nauk; YUDIN, B.V.

Some problems in the statistical analysis of vibrations of a  
motor vehicle. Avt.prom. 31 no.4:26-29 Ap '65.

(MIRA 18:5)

1. TSentral'nyy ordena Trudovogo Krasnogo Znameni nauchno-issledo-  
vatel'skiy avtomobil'nyy i avtomotornyy institut.

DERKACHEV, V.P., inzh.; IRINCHOUKOV, V.M., inzh.; TIKHONOV, A.A., inzh.

Double separation and distribution of used sand. Mashinostroenie  
no.2:49-50 Mo-Ap '65. (MIRA 18:6)

L 7915-66 ENT(d)/ENT(1)/EWP(m)/FS(v)-3/EWA(d)/ECS(k)/EWA(1) LIP(c) 12/132/0139  
 ACC NR: AP5027360 SOURCE CODE: UR/0043/65/000/004/0132/0139

AUTHOR: Tikhonov, A. A.

ORG: none

TITLE: Approximate integration of equations in a case of motion of a solid body

SOURCE: Leningrad. Universitet. Vestnik. Seriya matematiki, mekhaniki i astronomii, no. 4, 1965, 132-139

TOPIC TAGS: differential equation, mechanics

ABSTRACT: The author considers the system

$$\frac{dx_s}{dt} = \sum_{k=1}^4 p_{sk} x_k + \sum_{\substack{m_1 + \dots + m_s = m \\ m=2, 3}} p_{sm}^{(m_1, \dots, m_s)} x_1^{m_1} \dots x_s^{m_s} + X_s \quad (1)$$

(s=1, 2, 3, 4).

After some simplifying assumptions which enable the lowering of the order of the system, he integrates the simplified system of differential equations. Orig. art. has: 32 formulas.

Card 1/2

UDC: 531.355  
 2

L 7915-66

ACC NR: AP5027360

SUB CODE: MA, ME/ SUBM DATE: 19May64/ ORIG REF: 004

Card <sup>my</sup> 2/2

L 32741-66 EWT(l)/EWT(m)/T/EWP(w)/EWP(t)/ETI LOP(c) JH/JL/JLL(CZ)

ACC NR: AT6011852

(N)

SOURCE CODE: UR/2536/65/000/063/0106/0119

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ORG: none \*

TITLE: Effect of the inoculation of AL8 aluminum-magnesium alloy on the change in its mechanical properties during prolonged storage

SOURCE: \*Moscow, Aviatsionnyy tekhnologicheskii institut, Trudy, no. 63, 1965. Proizvodstvo otlivok iz legkikh splavov (Production of castings from light alloys), 106-119

TOPIC TAGS: aluminum base alloy, magnesium alloy, zirconium, tantalum, molybdenum, mechanical property, metal aging / AL8 Al-Mg alloy

ABSTRACT: AL8 Al-Mg alloy, one of the toughest alloys of its kind, has the disadvantage of aging in the course of prolonged storage and thus losing some of its ultimate strength and, particularly, relative elongation, and so gradually growing brittle. Apparently it then also loses some of its corrosion resistance. Proceeding from the premise that inoculation with small amounts of certain elements may contribute to the prevention of the decomposition of the solid solution and the retention of sufficiently high mechanical properties, and that in the Al-Mg system the degree of supersaturation of the solid solution is the higher the higher the Mg content of the

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alloy, the authors investigated the behavior of this alloy with various proportions of Mg and inoculants when aged. The methods of inoculation and amounts inoculated are described in an article contained in the same issue of Trudy [pp 94-105]. AL8 alloys with and without inoculation with Zr, Ta or Mo were compared after natural aging for 150 days. On this basis it is established that the inoculated specimens, particularly those inoculated with a combination of Zr and Ta or Zr and Mo, display a higher ultimate strength reaching  $46 \text{ kg/mm}^2$  after 150 days of aging. Relative elongation somewhat decreases. Particles of second-phase segregations, both those coherently connected with the solid solution and those lacking coherence, can be observed in the structure. A similar pattern is observed on artificial aging ( $t = 75^\circ\text{C}$ , for 100 hr) for the inoculated specimens. The change in the lattice parameter of the solid solution in the AL8 alloy indicates that the inoculants (Zr, Ta, Mo) retard the decomposition of the solid solution by, apparently, blocking the grain boundaries. Compared with the specimens containing 10.5 and 11.5% Mg, the specimens containing 9.5% Mg display the most stable retention of mechanical properties during natural aging. Orig. art. has: 12 figures.

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